

Roundabout, Flevoland

Stronger asphalt for a longer service life — Project N711, Flevoland

PROJECT

Innovative asphalt reinforcement with aramid fibres for heavy and intensively used road traffic.

For the renovation of the roundabout on the N711 Kamperhoekweg / Visvijverweg, Schagen Infra opted for AsphaltX®.

The existing asphalt structure no longer met current requirements and was completely replaced with an asphalt mixture reinforced with AsphaltX® Twaron aramid fibres. This results in a structure that is better able to withstand heavy traffic loads, torsional forces and intensive use.

WHY ASPHALTX®?

- ✓ Longer service life of the asphalt structure
- ✓ Higher resistance to cracking
- ✓ Resistant to heavy and turning traffic
- ✓ Less maintenance throughout the service life
- ✓ Suitable for roundabouts, intersections and heavily loaded roads

SUSTAINABLE CONSTRUCTION

Sustainability played an important role in this project. In line with the circular ambitions of Provincie Flevoland and the contractor, a sustainable asphalt mixture with an MKI score (environmental cost indicator) of €8.50 was chosen. This has reduced the environmental impact by approximately 70%. In addition, all machinery was run on 100% HVO diesel, reducing CO₂ emissions by approximately 90% compared to conventional diesel.

PROJECT IN FIGURES

Client	Provincie Flevoland
Contractor	Schagen Infra
Location	N711 Flevoland

Year	2023
Project type	Roundabout renovation
Asphalt processed	1,585 tonnes
AsphaltX® aramid fibres	400 kg
Application	AsphaltX® (Twaron Aramid fibres)

■ RESULT

By combining innovative asphalt reinforcement with sustainable construction methods, a future-proof roundabout has been realised with a longer service life, lower maintenance costs and a smaller environmental impact.

WOULD YOU LIKE MORE INFORMATION? PLEASE GET IN TOUCH

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